BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1989981.00

Name of Work: Detailed Estimate for the work of Contruction of drain and CC road at opposite to ICICI Bank and Contruction of drain at Gandhinagara near Rajarajeshwari kalayana mantapa in ward No-01 of Yelahanka Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2015-16	cum							
	desilting of Existing SWD		1	35.00	2.40	2.60	218.40		
							218.40	83.16	18162.00
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	83.16							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16	cum							
	for SWD								
	RCC Drain		1	35.00	2.40	1.90	159.60		
	for culvert		1	100.00	1.00	1.00	100.00		
			1	7.00	1.50	1.20	12.60		
							272.20	192.24	52328.00
	Basic Rate	178.00							
	Area Weightage @ 8%	14.24							
	Total	192.24							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)	cum							
			Vide Item No. 1+2				490.60	85.60	41996.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 8%	6.34							
	Total	85.60							
4	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	forSWD drain		1	35.00	2.50	0.23	20.13		
	RCC Drain		1	100.00	0.90	0.10	9.00		
	for culvret		1	7.00	1.50	0.15	1.58		
	for culvret Ramp		2	7.00	1.20	0.23	3.86		
							34.45	5236.92	180412.00
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	5236.92							
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for SWD bed		1	35.00	2.40	0.23	19.32		
	side walls		2	35.00	0.30	2.10	44.10		
	Bed of Drain		1	100.00	0.90	0.10	9.00		
	side walls -RCC Drain		2	100.00	0.15	0.90	27.00		
	for deck		1	35.00	2.00	0.23	16.10		
	for culvert -bed		1	7.00	1.50	0.23	2.42		
	side wall		2	7.00	0.23	1.20	3.86		
	Ramp		2	7.00	1.20	0.15	2.52		
							124.54	**6198.12**	**771914.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
6	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2014-15	**Quintal**							
	70Kg/cum		0.700	**124.54**			87.18		
				124.54			**87.18**	**6980.58**	**608553.00**
	Basic Rate	**6463.50**							
	Area Weightage @ 8%	517.08							
		6980.58							
8	RCC Precast covering slab for drain (10cm thick)	**sqm**							
			1	110.00	0.90		99.00		
	Rate Approved by BBMP	**1498.00**					99.00	**1498.00**	**148302.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4-6 4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4 6 2 Page No. 15/ Item No. 4 31/ PWD SR 2015-16	sqm							
			4	35.00	3.00		420.00		
	for culvert	2x4	8	7.00	0.90		50.40		
			2	7.00	0.60		8.40		
							478.80	306.72	146858.00
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
	Total	306.72							
8	1% of Quality control charges								19900.00
9	Miscellaneous charges								1594.00
								Total	1990000.00

(Rupees Ninteen Lakhs Ninteen thousand Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Administrative Sanction for Rs. 19.90 Lakh
Ninteen Lakhs Ninty Thousand only
is accorded under head P. 1771

Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/TA.I/100/15-16 Dt. 1-1-16

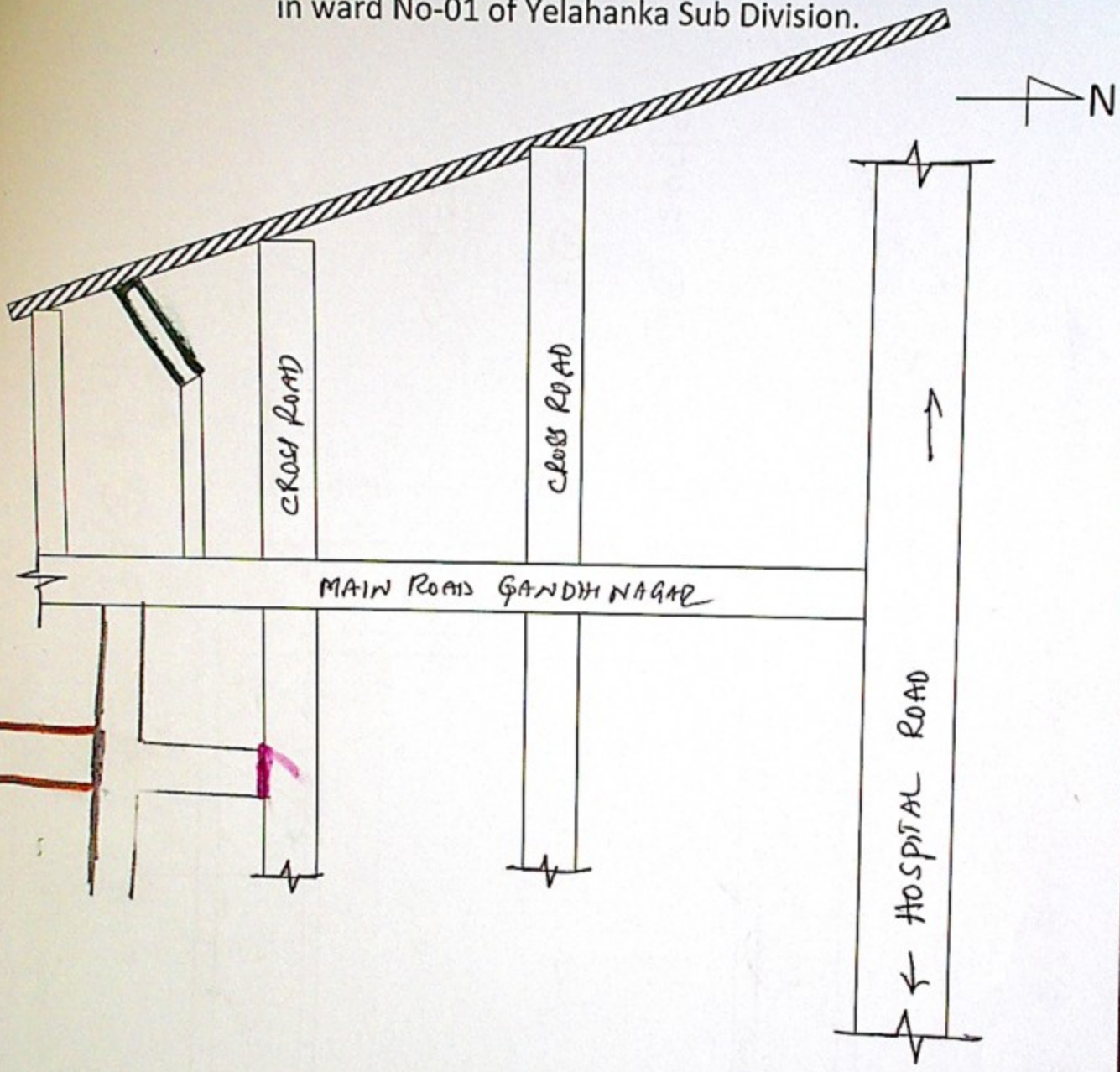
AE/JE TA CE(YNK)

TECHNICALLY SANCTIONED FOR Rs. 19.90 Lakh
Rupees Ninteen Lakhs Ninty Thousand only
Under P. 1771

Registered as CE ( ) No. 9 9
Subject to conditions contained in enclosed memo EE ( ) No. ..... /9/
Dt. ..... Estimate A/ Sanctioned
LE/TS/141/15-16 No.
Dated 9-1-16 Rs. 19.90 Lakh

Executive Engineer

NAME OF WORK : Contruction of drain and CC road at opposite to ICICI Bank and Contruction of drain at Gandhinagara near Rajarajeshwari kalayana mantapa in ward No-01 of Yelahanka Sub Division.



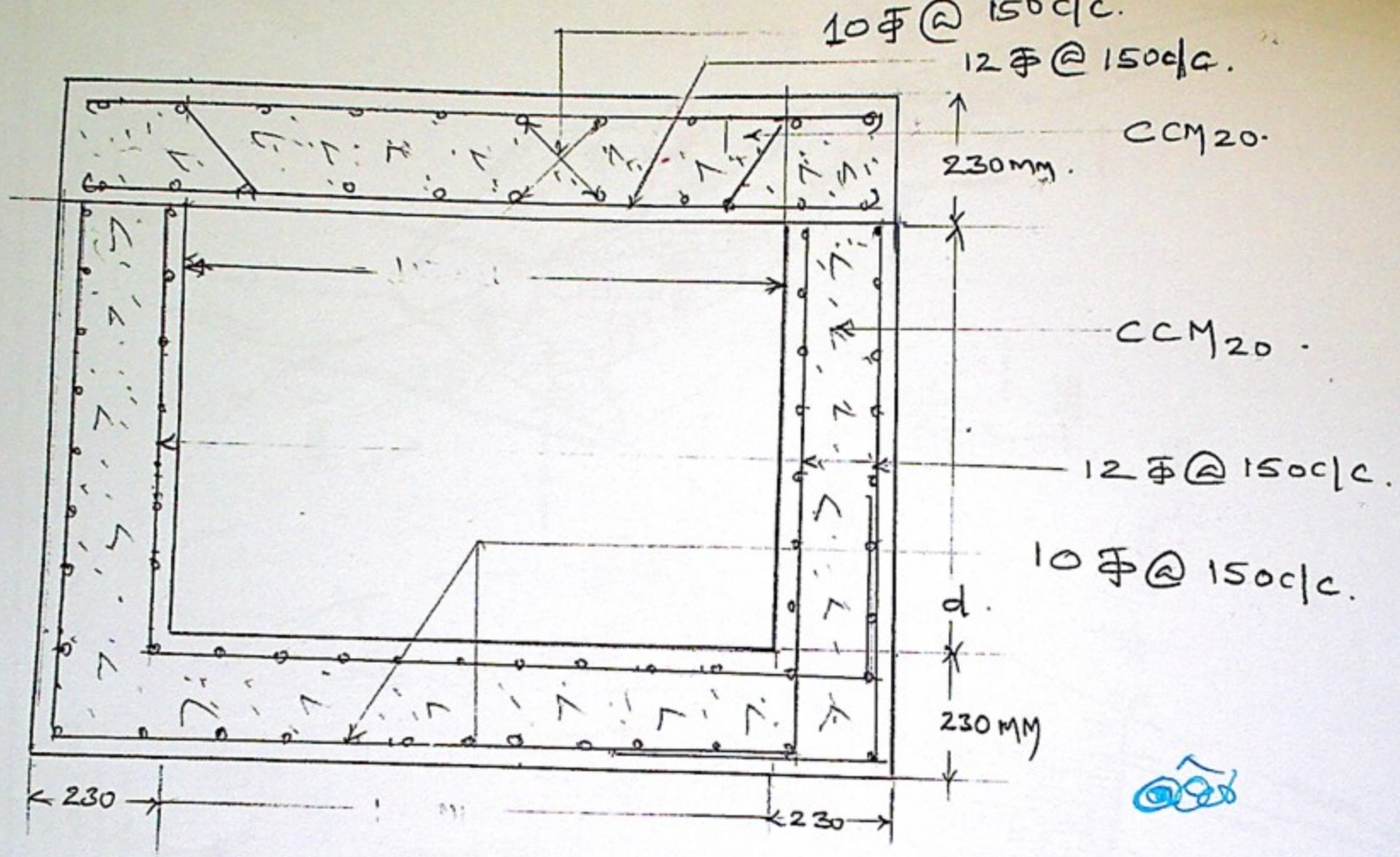
INDEX:

Poopoled SWD Wall
Propated RCC Drain
propated Culvert

A.E.

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

A.E.E.



CROSS SECTION OF R.C.C. ~~BEAM~~